# Ultra 2 and Ultra Enterprise 2 – Model 1200

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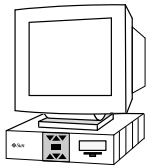
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 1200 |
| SPECint95 | 7.67 |
| SPECfp95 | 11.10 |
| SPECbase_int95 | 6.90 |
| SPECbase_fp95 | 11.10 |
| AIM3 | N/A |
| LADDIS | 2565 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 200 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 1MB |
| No. of Processors | 1 |
| **Main Memory** | |
| Standard | 128MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 16, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 2.1GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Configurations Available – Ultra 2 Model 1200 with One 200 MHz UltraSPARC–I Processor and 1 MB External Cache:***

| *Part Number* | *Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 1200 – Creator Graphics Systems*** | | |
| A14–UCB1–1E–128AC | Creator, 20” color monitor, 128MB, 4.2GB 7200 RPM internal Fast/Wide SCSI–2 disk | $26,495 | A |
| | ***Ultra 2 Model 1200 – Creator3D Graphics Systems*** | | |
| A14–UCB1–1F–128AC | Creator 3D, 20” color monitor, 128MB, 4.2GB 7200 RPM internal Fast/Wide SCSI–2 disk | $28,495 | A |
| | ***Ultra Enterprise 2 Model 1200 Server Configurations*** | | |
| A14–UCB1–9S–128CC | Ultra Enterprise 2 Model 1200 server with 128MB, 4GB SCSI–2 disk, 644MB SunCD 4, Fast Ethernet, and Solaris server license. | $22,995 | A |

**NOTE:** All Ultra 2 Model 1200 configurations and upgrades require Solaris 2.5.1 or higher.

**This is not an official Price List. Please consult the official Price Lists, or contact your Sun Sales Representative or Authorized Reseller before placing an order.**

# Ultra 2 and Ultra Enterprise 2 – Model 1200

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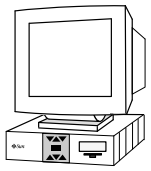
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 1200 |
| SPECint95 | 7.67 |
| SPECfp95 | 11.10 |
| SPECbase_int95 | 6.90 |
| SPECbase_fp95 | 11.10 |
| AIM3 | N/A |
| LADDIS | 2565 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 200 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 1MB |
| No. of Processors | 1 |
| **Main Memory** | |
| Standard | 128MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 16, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 2.1GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Upgrades to Ultra 2 Model 1200:***

| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 1200 – Creator Graphics Upgrades*** | | |
| Any SPARCstation | UFS–UCB1–1E–128AC<br>Full system upgrade to Ultra 2 Model 1200 with 128MB, 4.2GB fast internal disk, Creator graphics, and 20” color monitor. | $24,350 | A* |
| SPARCstation 10 | US10UCB1–9E–128AC<br>Chassis upgrade to Ultra 2 Model 1200 with 128MB, 4.2GB fast internal disk, and Creator graphics. | $20,650 | A* |
| SPARCstation 4 or 5 | US5–UCB1–9E–128NN<br>Chassis upgrade to Ultra 2 Model 1200 with 128MB and Creator graphics. | $19,800 | A* |
| SPARCstation 20 | US20UCB1–9E–000NN<br>Chassis upgrade to Ultra 2 Model 1200 with Creator graphics. | $17,800 | A* |
| Ultra 1 – 140 or 170 | U11–UCB1–9E–000NN<br>Chassis upgrade to Ultra 2 Model 1200 with Creator graphics. | $16,300 | A* |

* Maximum discount may apply.

**NOTE:** All Ultra 2 Model 1200 configurations and upgrades require Solaris 2.5.1 or higher.

***(More upgrades on next page)***

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# Ultra 2 and Ultra Enterprise 2 – Model 1200

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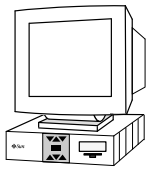
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 1200 |
| SPECint95 | 7.67 |
| SPECfp95 | 11.10 |
| SPECbase_int95 | 6.90 |
| SPECbase_fp95 | 11.10 |
| AIM3 | N/A |
| LADDIS | 2565 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 200 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 1MB |
| No. of Processors | 1 |
| **Main Memory** | |
| Standard | 128MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 16, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 2.1GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Upgrades to Ultra 2 Model 1200 (continued):***

| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 1200 – Creator3D Graphics Upgrades*** | | |
| Any SPARCstation | UFS–UCB1–1F–128AC<br>Full system upgrade to Ultra 2 Model 1200 with 128MB, 4.2GB fast internal disk, Creator3D graphics, and 20” color monitor. | $26,350 | A* |
| SPARCstation 10 | US10UCB1–9F–128AC<br>Chassis upgrade to Ultra 2 Model 1200 with 128MB, 4.2GB fast internal disk, and Creator3D graphics. | $22,650 | A* |
| SPARCstation 20 | US20UCB1–9F–000NN<br>Chassis upgrade to Ultra 2 Model 1200 with Creator3D graphics. | $19,800 | A* |
| Ultra 1 – 140 or 170 | U11–UCB1–9F–000NN<br>Chassis upgrade to Ultra 2 Model 1200 with Creator3D graphics. | $18,300 | A* |
| | ***Ultra Enterprise 2 Model 1200 Server Upgrades*** | | |
| Any SPARCserver | UG–S–14UCB19S128CC<br>Chassis upgrade to Ultra Enterprise 2 Model 1200 with 128MB, 4GB SCSI–2 disk, and CD–ROM. | $20,695 | A* |
| SPARCserver 20 | US20UCB1–9S–000NC<br>Chassis upgrade to Ultra Enterprise 2 Model 1200 with CD–ROM, no disk, and no memory. | $16,200 | A* |
| SPARCstation 20ZX, Ultra 1 – 170E, Ultra Enterprise 1 | U12–UCB1–9N–000NN<br>Chassis upgrade to Ultra 2 Model 1200 or Ultra Enterprise 2 Model 1200, no disk, and no memory. | $14,300 | A* |
| | ***Ultra 2 Model 1200 – Module Upgrades*** | | |
| Ultra 1 Model 1170 | UG–M1170–M1200<br>Module upgrade to Ultra 2 Model 1200. | $5,495 | A* |

* Maximum discount may apply.

**NOTE:** All Ultra 2 Model 1200 configurations and upgrades require Solaris 2.5.1 or higher.

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# Ultra 2 and Ultra Enterprise 2 – Model 2170

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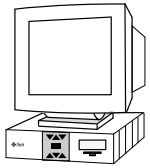
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 2170 |
| SPECint95 | 6.39 |
| SPECfp95 | 11.80 |
| SPECbase_int95 | N/A |
| SPECbase_fp95 | 10.70 |
| AIM3 | N/A |
| LADDIS | 3536 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 167 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 512KB per CPU |
| No. of Processors | 2 |
| **Main Memory** | |
| Standard | 128MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 1B, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 2.1GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Configurations Available – Ultra 2 Model 2170 with Two 167 MHz UltraSPARC–I Processors and 512KB External Cache Per Processor:***

| *Part Number* | *Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 2170 – Creator Graphics Systems*** | | |
| A14–UBA2–1E–128AB | Creator, 20” color monitor, 128MB, 2.1GB 7200 RPM internal fast/wide SCSI–2 disk | $21,995 | A |
| | ***Ultra 2 Model 2170 – Creator3D Graphics Systems*** | | |
| A14–UBA2–1F–128AB | Creator3D, 20” color monitor, 128MB, 2.1GB 7200 RPM internal fast/wide SCSI–2 disks | $23,995 | A |
| | ***Ultra Enterprise 2 Model 2170 Server Configurations*** | | |
| A14–UBA2–9S–128CB | Ultra Enterprise 2 Model 2170 server with 128MB, 2.1GB 7200 RPM internal fast/wide SCSI–2 disk, 644MB SunCD 4, Fast Ethernet, and Solaris server license. | $18,995 | A |

**NOTE:** All Ultra 2 Model 2170 configurations and upgrades require Solaris 2.5.1 or higher.

**This is not an official Price List. Please consult the official Price Lists, or contact your Sun Sales Representative or Authorized Reseller before placing an order.**

# Ultra 2 and Ultra Enterprise 2 – Model 2170

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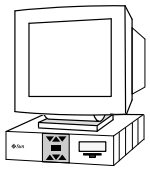
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 2170 |
| SPECint95 | 6.39 |
| SPECfp95 | 11.80 |
| SPECbase_int95 | N/A |
| SPECbase_fp95 | 10.70 |
| AIM3 | N/A |
| LADDIS | 3536 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 167 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 512KB per CPU |
| No. of Processors | 2 |
| **Main Memory** | |
| Standard | 128MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 1B, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 2.1GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Upgrades to Ultra 2 Model 2170:***

| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 2170 – Creator Graphics Upgrades*** | | |
| SPARCstation 10 | US10UBA2–9E–128AB<br>Chassis upgrade to Ultra 2 Model 2170 with 128MB, 2.1GB fast internal disk, and Creator graphics. | $16,150 | A* |
| SPARCstation 20 | US20UBA2–9E–000NN<br>Chassis upgrade to Ultra 2 Model 2170 with Creator graphics. | $15,800 | A* |
| Ultra 1 – 140 or 170 | U11–UBA2–9E–000NN<br>Chassis upgrade to Ultra 2 Model 2170 with Creator graphics. | $14,800 | A* |
| | ***Ultra 2 Model 2170 – Creator3D Graphics Upgrades*** | | |
| SPARCstation 10 | UG10–14UBA29F128AB<br>Chassis upgrade to Ultra 2 Model 2170 with 128MB, 2.1GB fast internal disk, and Creator3D graphics. | $18,150 | A* |
| SPARCstation 20 | US20UBA2–9F–000NN<br>Chassis upgrade to Ultra 2 Model 2170 with Creator3D graphics. | $17,800 | A* |
| Ultra 1 – 140 or 170 | U11–UBA2–9F–000NN<br>Chassis upgrade to Ultra 2 Model 2170 with Creator3D graphics. | $16,800 | A* |
| | ***Ultra Enterprise 2 Model 2170 Server Upgrades*** | | |
| Any SPARCserver | U–S–UBA2–9S–128CB<br>Chassis upgrade to Ultra Enterprise 2 Model 2170 with 128MB, 2.1GB Internal Fast SCSI–2 disk, and CD–ROM. | $17,395 | A* |
| SPARCserver 20 | US20UBA2–9S–000NC<br>Chassis upgrade to Ultra Enterprise 2 Model 2170 with CD–ROM, no disk, and no memory. | $14,700 | A* |
| SPARCstation 20ZX, Ultra 1 – 170E, Ultra Enterprise 1 | U12–UBA2–9N–000NN<br>Chassis upgrade to Ultra 2 Model 2170 or Ultra Enterprise 2 Model 2170, no disk, and no memory. | $12,800 | A* |

* Maximum discount may apply.

**NOTE:** All Ultra 2 Model 2170 configurations and upgrades require Solaris 2.5.1 or higher.

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# Ultra 2 and Ultra Enterprise 2 – Model 2200

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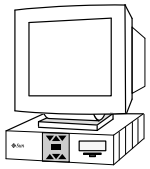
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 2200 |
| SPECint95 | 7.88 |
| SPECfp95 | 14.70 |
| SPECbase_int95 | 6.41 |
| SPECbase_fp95 | 11.60 |
| AIM3 | N/A |
| LADDIS | 4303 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 200 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 1MB |
| No. of Processors | 2 |
| **Main Memory** | |
| Standard | 256MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 16, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 4.2GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Configurations Available – Ultra 2 Model 2200 with Two 200 MHz UltraSPARC–I Processors and 1MB External Cache Per Processor:***

| *Part Number* | *Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 2200 – Creator Graphics Systems*** | | |
| A14–UCB2–1E–256AC | Creator, 20” color monitor, 256MB (4 x 64MB SIMMs), 4.2GB 7200 RPM internal Fast/Wide SCSI–2 disk. | $33,995 | A |
| | ***Ultra 2 Model 2200 – Creator3D Graphics Systems*** | | |
| A14–UCB2–1F–256AC | Creator 3D, 20” color monitor, 256MB (4 x 64MB SIMMs), 4.2GB 7200 RPM internal Fast/Wide SCSI–2 disk. | $35,995 | A |
| A14–UCB2–1F–001AC | Creator 3D, 20” color monitor, 1GB (8 x 128MB SIMMs), 4.2GB 7200 RPM internal Fast/Wide SCSI–2 disk. | $59,995 | A |
| | ***Ultra Enterprise 2 Model 2200 Server Configurations*** | | |
| A14–UCB2–9S–256CC | Ultra Enterprise 2 Model 2200 server with 256MB, 4.2GB SCSI–2 disk, 644MB SunCD 4, Fast Ethernet, and Solaris server license. | $32,495 | A |
| A14–UCB2–9S–512CC | Ultra Enterprise 2 Model 2200 server with 512MB, 4.2GB SCSI–2 disk, 644MB SunCD 4, Fast Ethernet, and Solaris server license. | $42,495 | A |

**NOTE:** All Ultra 2 Model 2200 configurations and upgrades require Solaris 2.5.1 or higher.

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# Ultra 2 and Ultra Enterprise 2 – Model 2200

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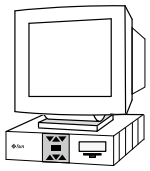
|---|---|
| |  |
| **Packaging** | Desktop |
| **Performance** | Model 2200 |
| SPECint95 | 7.88 |
| SPECfp95 | 14.70 |
| SPECbase_int95 | 6.41 |
| SPECbase_fp95 | 11.60 |
| AIM3 | N/A |
| LADDIS | 4303 |
| **Processor** | |
| Architecture | UltraSPARC–I |
| Clock Rate | 200 MHz |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) |
| External cache | 1MB |
| No. of Processors | 2 |
| **Main Memory** | |
| Standard | 256MB |
| Maximum | 2GB (with 128MB SIMMs) |
| Memory Type | ECC |
| Bandwidth | 288 bits |
| Total SIMM memory slots | 16 |
| SIMM size | 16, 32, 64, 128MB (must be in groups of 4) |
| **Disk Capacity** | |
| SCSI bandwidth | 20MB/sec. (16–bit fast/wide) |
| Standard Internal | 4.2GB |
| Maximum Internal | 8.4GB |
| Maximum Total | 273GB |
| **I/O Architecture** | |
| SBus Slots | 4 (32/64–bit, 25 MHz) |
| Graphics (UPA Slots) | 1 (83/100 MHz) |
| Serial Ports | 2 |
| Parallel Ports | 1 |
| Audio | 16–bit |
| Speaker | Internal |
| **Network Ports** | |
| AUI Ethernet | Yes (requires MII adapter) |
| Twisted Pair Ethernet | Yes (10/100 Mbps) |
| ISDN–FDDI and ATM | Optional |
| **Supported Graphics Options** | Creator, Creator 3D |
| **Solaris License** | Solaris 2.5.1 or later |

***Upgrades to Ultra 2 Model 2200:***

| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| | ***Ultra 2 Model 2200 – Creator Graphics Upgrades*** | | |
| SPARCstation 10 | US10UCB2–9E–256AC<br>Chassis upgrade to Ultra 2 Model 2200 with 256MB, 4.2GB fast internal disk, Creator graphics | $28,150 | A* |
| SPARCstation 20 | US20UCB2–9E–000NN<br>Chassis upgrade to Ultra 2 Model 2200 with Creator graphics | $25,300 | A* |
| Ultra 1 – 140 or 170 | U11–UCB2–9E–000NN<br>Chassis upgrade to Ultra 2 Model 2200 with Creator graphics | $23,800 | A* |
| | ***Ultra 2 Model 2200 – Creator3D Graphics Upgrades*** | | |
| SPARCstation 10 | US10UCB2–9F–256AC<br>Chassis upgrade to Ultra 2 Model 2200 with 256MB, 4.2GB fast internal disk, Creator3D graphics | $30,150 | A* |
| SPARCstation 20 | US20UCB2–9F–000NN<br>Chassis upgrade to Ultra 2 Model 2200 with Creator3D graphics | $27,300 | A* |
| Ultra 1 – 140 or 170 | U11–UCB2–9F–000NN<br>Chassis upgrade to Ultra 2 Model 2200 with Creator3D graphics | $25,800 | A* |
| | ***Ultra Enterprise 2 Model 2200 Server Upgrades*** | | |
| Any SPARCserver | U–S–UCB2–9S–256CC<br>Chassis upgrade to Ultra Enterprise 2 Model 2200 with 256MB, 4.2GB SCSI–2 disk, and CD–ROM. | $29,245 | A* |
| SPARCserver 20 | US20UCB2–9S–000NC<br>Chassis upgrade to Ultra Enterprise 2 Model 2200 with CD–ROM, no disk, and no memory. | $23,700 | A* |
| SPARCstation 20ZX, Ultra 1 – 170E, Ultra Enterprise 1 | U12–UCB2–9N–000NN<br>Chassis upgrade to Ultra 2 Model 2200 or Ultra Enterprise 2 Model 2200, no disk, and no memory. | $21,800 | A* |

* Maximum discount may apply.

**NOTE:** All Ultra 2 Model 2200 configurations and upgrades require Solaris 2.5.1 or higher.

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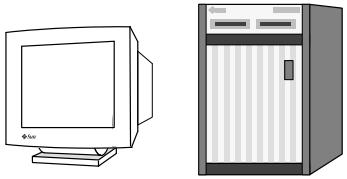
# Ultra 3000 Creator3D Workstation



**Ultra 3000 Creator3D Workstation – Product Specifications**

| | | |
|---|---|---|
| **Performance** | 1 CPU (167 / 250 MHz) | 6 CPU (167 / 250 MHz) |
| SPECint95 | 6.60 / 9.74 | N/A |
| SPECint_rate95 | 59 / 84 | 336 / 505 |
| SPECfp95 | 9.37 / 11.70 | N/A |
| SPECfp_rate95 | 83 / 104 | 469 / 586 |
| **Processor** | | |
| Architecture | UltraSPARC | |
| Clock Rate | 167 MHz or 250 MHz | |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) | |
| External cache | 1MB | |
| No. of Processors | 1–6 | |
| **Main Memory** | 256MB – 6GB | |
| Memory Type | ECC | |
| DRAM Speed | 60 ns | |
| Bus Width | 576 bits | |
| **Disk Capacity** | | |
| Maximum Internal | 42GB | |
| Maximum Total | Over 2TB | |
| **I/O Architecture** | | |
| SBus Slots | 2–9 | |
| Graphics (UPA Slots) | 1–3 | |
| Serial Ports | Two RS–232/RS–423 (two DB25) | |
| Parallel Ports | One Centronics compatible (DB25) | |
| **Graphics** | | |
| Graphics Processor | Creator3D (up to 3 frame buffers) standard | |
| Maximum | Up to 3 Creator3D graphics monitors | |
| Options | Creator, TGX, TGX+ | |
| **Networking Ports** | | |
| AUI Ethernet | Yes (requires MII adapter) | |
| Twisted Pair Ethernet | Yes (10/100 Mbps) | |
| ISDN–FDDI and ATM | Optional | |
| **Solaris License** | Solaris 2.5.1 or later | |

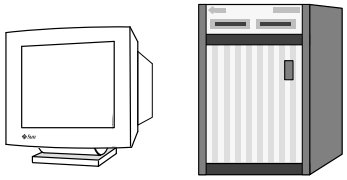
***Configurations Available – Ultra 3000 Creator3D Workstation:***

| ***Part Number*** | ***Description*** | ***List Price*** | ***Discount Category*** |
|---|---|---|---|
| | ***Base Configurations*** | | |
| A17–1F–256AC | Ultra 3000 Creator3D workstation with 256MB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 20” color monitor, 4.2GB disk, SunCD 4, one Power/Cooling module, Country Kit, and Solaris workstation license. ***NOTE: UltraSPARC CPUs are not included in workstation configuration. Must be ordered separately.*** | $38,100 | A |
| A17–1F–001AC | Ultra 3000 Creator3D workstation with 1 GB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 20” color monitor, 4.2GB disk, SunCD 4, one Power/Cooling module, Country Kit, and Solaris workstation license. ***NOTE: UltraSPARC CPUs are not included in workstation configuration. Must be ordered separately.*** | $81,850 | A |
| | ***UltraSPARC Modules – Minimum of 1 required per system.*** | | |
| 2510A | UltraSPARC module, 167 MHz, 1MB External Cache. | $12,000 | A |
| (X)2530A | UltraSPARC module, 250MHz, 1MB External Cache. | $16,000 | A |

**NOTES:**

- The Ultra 4000 Creator3D workstation is constructed with the same components as the Enterprise 4000 server; therefore, components are interchangeable.
- Mixing of 167–MHz and 250–MHz modules in a single system is not supported.

# Ultra 3000 Creator3D Workstation



**Ultra 3000 Creator3D Workstation – Product Specifications**

| | | |
|---|---|---|
| **Performance** | 1 CPU (167 / 250 MHz) | 6 CPU (167 / 250 MHz) |
| SPECint95 | 6.60 / 9.74 | N/A |
| SPECint_rate95 | 59 / 84 | 336 / 505 |
| SPECfp95 | 9.37 / 11.70 | N/A |
| SPECfp_rate95 | 83 / 104 | 469 / 586 |
| **Processor** | | |
| Architecture | UltraSPARC | |
| Clock Rate | 167 MHz or 250 MHz | |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) | |
| External cache | 1MB | |
| No. of Processors | 1–6 | |
| **Main Memory** | 256MB – 6GB | |
| Memory Type | ECC | |
| DRAM Speed | 60 ns | |
| Bus Width | 576 bits | |
| **Disk Capacity** | | |
| Maximum Internal | 42GB | |
| Maximum Total | Over 2TB | |
| **I/O Architecture** | | |
| SBus Slots | 2–9 | |
| Graphics (UPA Slots) | 1–3 | |
| Serial Ports | Two RS–232/RS–423 (two DB25) | |
| Parallel Ports | One Centronics compatible (DB25) | |
| **Graphics** | | |
| Graphics Processor | Creator3D (up to 3 frame buffers) standard | |
| Maximum | Up to 3 Creator3D graphics monitors | |
| Options | Creator, TGX, TGX+ | |
| **Networking Ports** | | |
| AUI Ethernet | Yes (requires MII adapter) | |
| Twisted Pair Ethernet | Yes (10/100 Mbps) | |
| ISDN–FDDI and ATM | Optional | |
| **Solaris License** | Solaris 2.5.1 or later | |

***Upgrades to Ultra 3000 Creator3D Workstation:***

| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| SPARCstation 10, SPARCstation 20, UltraSPARC | UGA14–A17–9F–256AC<br>Chassis upgrade to Ultra 3000 Creator3D workstation with no CPU, 256MB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 4.2GB disk, SunCD 4, one Power/Cooling module, Country Kit, and Solaris workstation license. | $31,200 | A |

**NOTES:**

- The Ultra 4000 Creator3D workstation is constructed with the same components as the Enterprise 4000 server; therefore, components are interchangeable.
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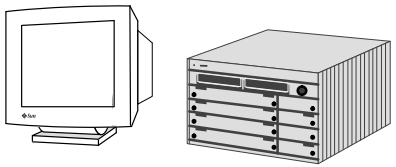

**Ultra 4000 Creator3D Workstation – Product Specifications**

| | | | |
|---|---|---|---|
| | 167 MHz / 250 MHz | | |
| **Performance** | 1 CPU | 6 CPU | 12 CPU |
| SPECint95 | 6.60 / 9.74 | N/A | N/A |
| SPECint_rate95 | 59 / 84 | 336 / 505 | 660 / 1007 |
| SPECfp95 | 9.37 / 11.70 | N/A | N/A |
| SPECfp_rate95 | 83 / 104 | 469 / 586 | 887 / 1073 |
| **Processor** | | | |
| Architecture | UltraSPARC | | |
| Clock Rate | 167 MHz or 250 MHz | | |
| Cache on–chip | 32KB (16KB I–cache, 16KB D–cache) | | |
| External cache | 1MB | | |
| No. of Processors | 1–14 | | |
| **Main Memory** | 256MB – 14GB | | |
| Memory Type | ECC | | |
| DRAM Speed | 60 ns | | |
| Bus Width | 576 bits | | |
| **Disk Capacity** | | | |
| Maximum Internal | 16.8GB | | |
| Maximum Total | Over 4TB | | |
| **I/O Architecture** | | | |
| SBus Slots | 2–21 | | |
| Graphics (UPA Slots) | 1–4 | | |
| Serial Ports | Two RS–232/RS–423 (two DB25) | | |
| Parallel Ports | One Centronics compatible (DB25) | | |
| **Graphics** | | | |
| Graphics Processor | Creator3D (up to 4 frame buffers) standard | | |
| Maximum | Up to 4 Creator3D graphics monitors | | |
| Options | Creator, TGX, TGX+ | | |
| **Networking Ports** | | | |
| AUI Ethernet | Yes (requires MII adapter) | | |
| Twisted Pair Ethernet | Yes (10/100 Mbps) | | |
| ISDN–FDDI and ATM | Optional | | |
| **Solaris License** | Solaris 2.5.1 or later | | |

***Configurations Available – Ultra 4000 Creator3D Workstation:***

| ***Part Number*** | ***Description*** | ***List Price*** | ***Discount Category*** |
|---|---|---|---|
| A18–1F–256AC | Ultra 4000 Creator3D workstation with 256MB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 20” color monitor, 4.2GB disk board, SunCD 4, 2 Power/Cooling modules, Country Kit, and Solaris workstation license. ***NOTE: UltraSPARC CPUs are not included in workstation configuration. Must be ordered separately.*** | $71,500 | A |
| A18–1F–001AC | Ultra 4000 Creator3D workstation with 1 GB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 20” color monitor, 4.2GB disk board, SunCD 4, 2 Power/Cooling modules, Country Kit, and Solaris workstation license. ***NOTE: UltraSPARC CPUs are not included in workstation configuration. Must be ordered separately.*** | $115,250 | A |
| ***UltraSPARC Modules – Minimum of 1 required per system.*** | | | |
| (X)2510A | UltraSPARC module, 167 MHz, 1MB External Cache. | 12,000 | A |
| (X)2530A | UltraSPARC module, 250MHz, 1MB External Cache. | $16,000 | A |

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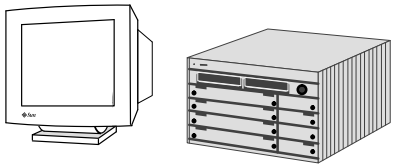

**Ultra 4000 Creator3D Workstation – Product Specifications**

| | 167 MHz / 250 MHz | | |
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| Twisted Pair Ethernet | Yes (10/100 Mbps) | | |
| ISDN–FDDI and ATM | Optional | | |
| **Solaris License** | Solaris 2.5.1 or later | | |

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| *From* | *Part Number and Description* | *List Price* | *Discount Category* |
|---|---|---|---|
| SPARCstation 10, SPARCstation 20, UltraSPARC | UGA14–A18–9F–256AC<br>Chassis upgrade to Ultra 4000 Creator3D workstation with no CPU, 256MB memory, CPU/Memory board, Graphics I/O board, Creator3D frame buffer, 4.2GB disk, SunCD 4, 2 Power/Cooling modules, Country Kit, and Solaris workstation license. | $60,200 | A |

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